

Title (en)
IMPROVED CELL CULTURE MEDIUM

Title (de)
VERBESSERTES ZELLKULTURMEDIUM

Title (fr)
MILIEU DE CULTURE CELLULAIRE AMÉLIORÉ

Publication
EP 2563903 A1 20130306 (EN)

Application
EP 11716890 A 20110425

Priority
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• EP 2011056509 W 20110425

Abstract (en)
[origin: WO2011134921A1] A cell culture medium with high content of choline chloride is provided. The cell culture media further comprise only moderate amounts of amino acids, in particular the amount of glutamine in the cell culture media is limited. The cell culture media can be used for large scale production of polypeptides using cell cultures. The cell culture media with high content of choline chloride are particularly suitable for fed-batch cell culture whereby cell viabilities stay at a higher level for a longer time and high polypeptide titers although limited amounts of amino acids are used.

IPC 8 full level
C12N 5/00 (2006.01)

CPC (source: EP KR US)
C07K 16/00 (2013.01 - US); **C12N 5/00** (2013.01 - KR); **C12N 5/0018** (2013.01 - US); **C12N 5/0031** (2013.01 - KR US); **C12N 5/005** (2013.01 - EP KR US); **C07K 2317/14** (2013.01 - US); **C12N 2500/32** (2013.01 - EP US); **C12N 2500/38** (2013.01 - EP US); **C12N 2500/95** (2013.01 - EP US); **C12N 2500/99** (2013.01 - US); **C12N 2510/02** (2013.01 - EP US)

Citation (search report)
See references of WO 2011134921A1

Citation (third parties)
Third party :
WO 2007003640 A1 20070111 - ARES TRADING SA [CH], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011134921 A1 20111103; AU 2011246504 A1 20121122; AU 2011246504 B2 20130926; BR 112012027434 A2 20150922; BR 112012027434 B1 20200929; CA 2797140 A1 20111103; CA 2797140 C 20180123; CN 102858953 A 20130102; CN 102858953 B 20150909; CN 105331659 A 20160217; CN 105331659 B 20190716; EP 2563903 A1 20130306; EP 2563903 B1 20190821; EP 3599276 A1 20200129; ES 2755907 T3 20200424; IL 222453 A0 20121231; IL 222453 B 20181129; JP 2013524826 A 20130620; JP 2016052310 A 20160414; JP 6113653 B2 20170412; KR 101848945 B1 20180416; KR 20130098869 A 20130905; MX 2012012525 A 20121123; RU 2012150281 A 20140610; RU 2563353 C2 20150920; SG 185037 A1 20121129; US 2013102032 A1 20130425; US 2015218509 A1 20150806; US 8986957 B2 20150324; US 9243224 B2 20160126

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